

FIG. 1

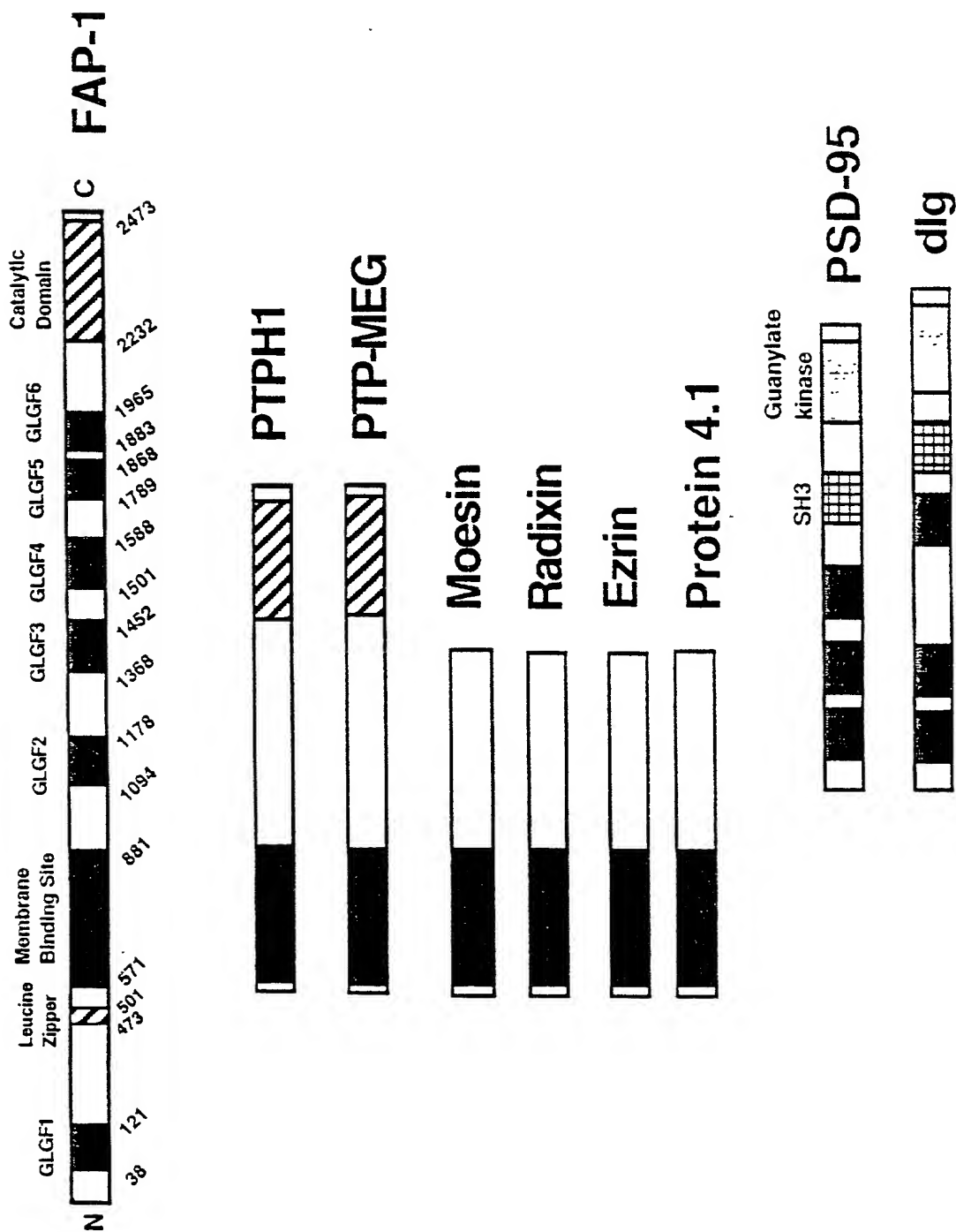


FIG. 2A

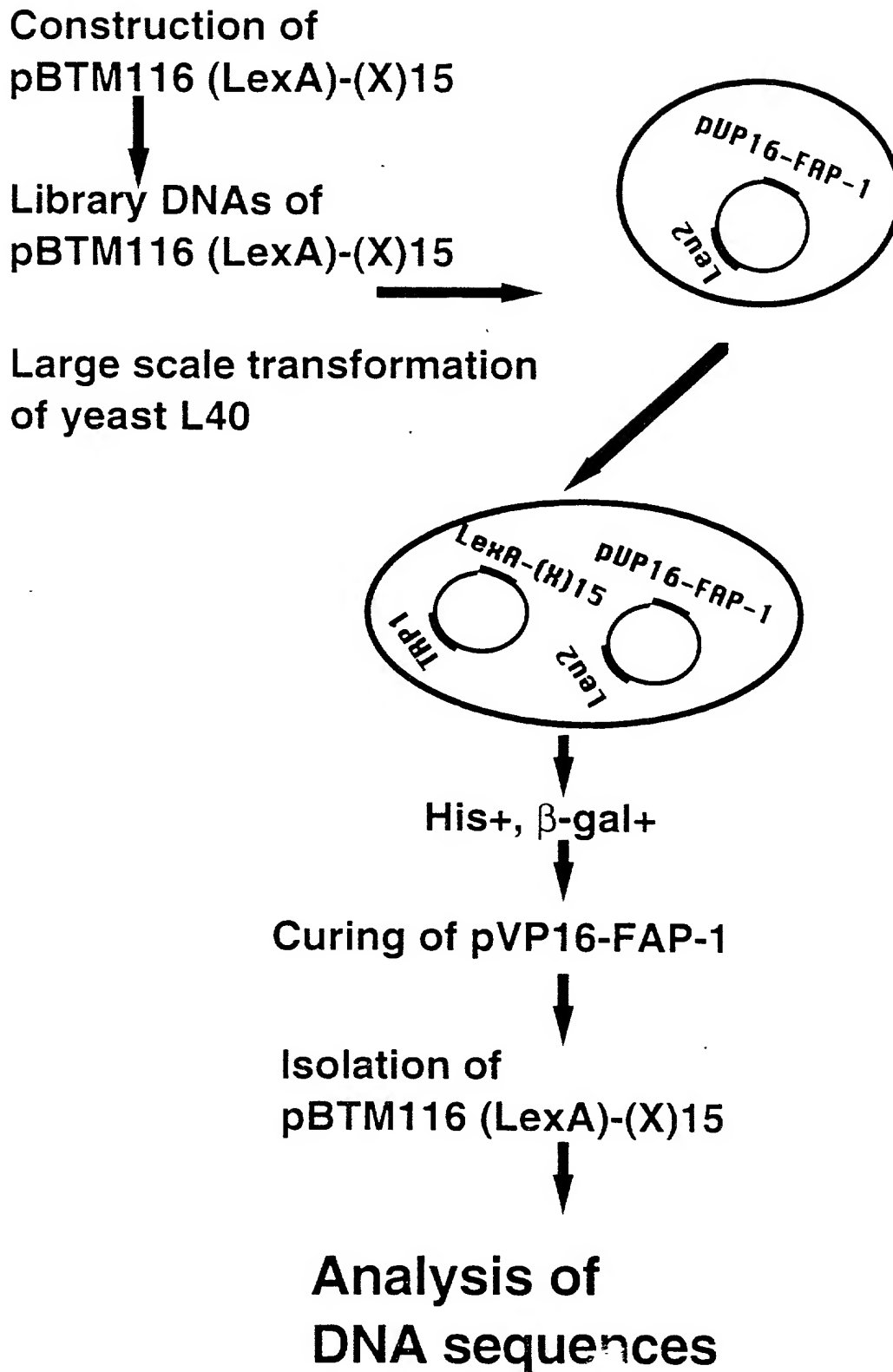


FIG. 2B

Human	D	S	E	N	S	N	F	R	N	E	I	Q	S	L	V
Rat	S	I	S	N	S	R	N	E	N	E	G	Q	S	L	E
Mouse	S	T	P	D	T	G	N	E	N	E	G	Q	C	L	E

FIG. 2C

- - - N S - - - N E - Q S L -

C	Y	A		A	I	G		L				V	12-0
E	N	A		G	V	S		E				V	5-0
W	W	G		A	T	Q		P				V	13-0
E	H	A		Q	Q	Q		Q				V	20-0
N	S	S		F	H	S		L				V	6-2
G	L	R		L	P	P		D				V	9-5
G	S	D		S	G	V		N				V	18-1
K	K			R	P	V		N				V	22-1
I	G	K		D	V	W		A				V	71-1
A	S	R		N	E	E		L				I	14-5

FIG. 2D

I	P	P	D	S	E	D	G	N	E	E	Q	S	L	V	8-1
D	S	E	M	Y	N	F	R	S	Q	L	A	S	V	V	9-3
I	D	L	A	S	E	F	L	F	L	S	N	S	F	L	14-1
P	P	T	C	S	Q	A	N	S	G	R	I	S	T	L	0-2
S	D	S	N	M	N	M	N	E	L	S	E	V			57-5
Q	N	F	R	T	Y	I	V	S	F	V					72-1
R	E	T	I	E	S	T	V								25-9
R	G	F	I	S	S	L	V								16-13
T	I	Q	S	V	I										6-3
E	S	L	V												18-1

Consensus: *t* S-X-V/L/I

FIG. 3A

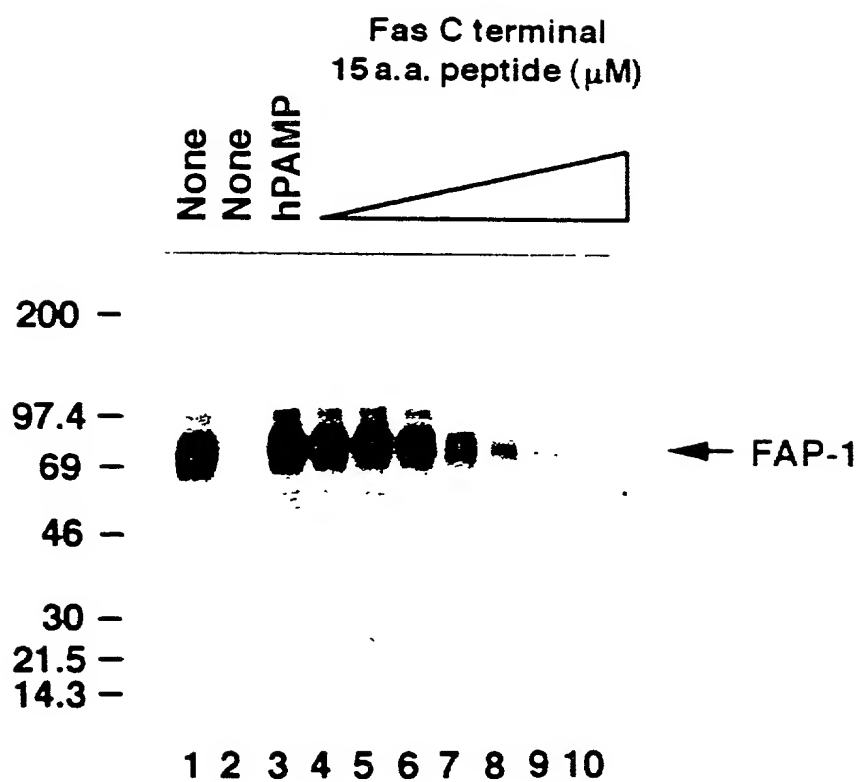


FIG. 3B

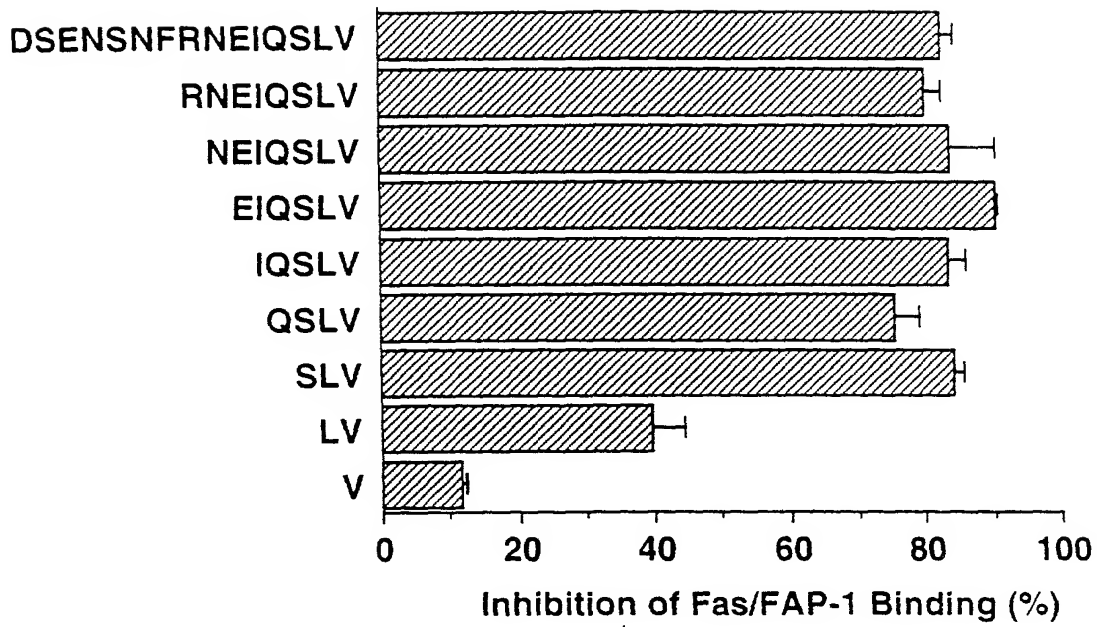


FIG. 3C

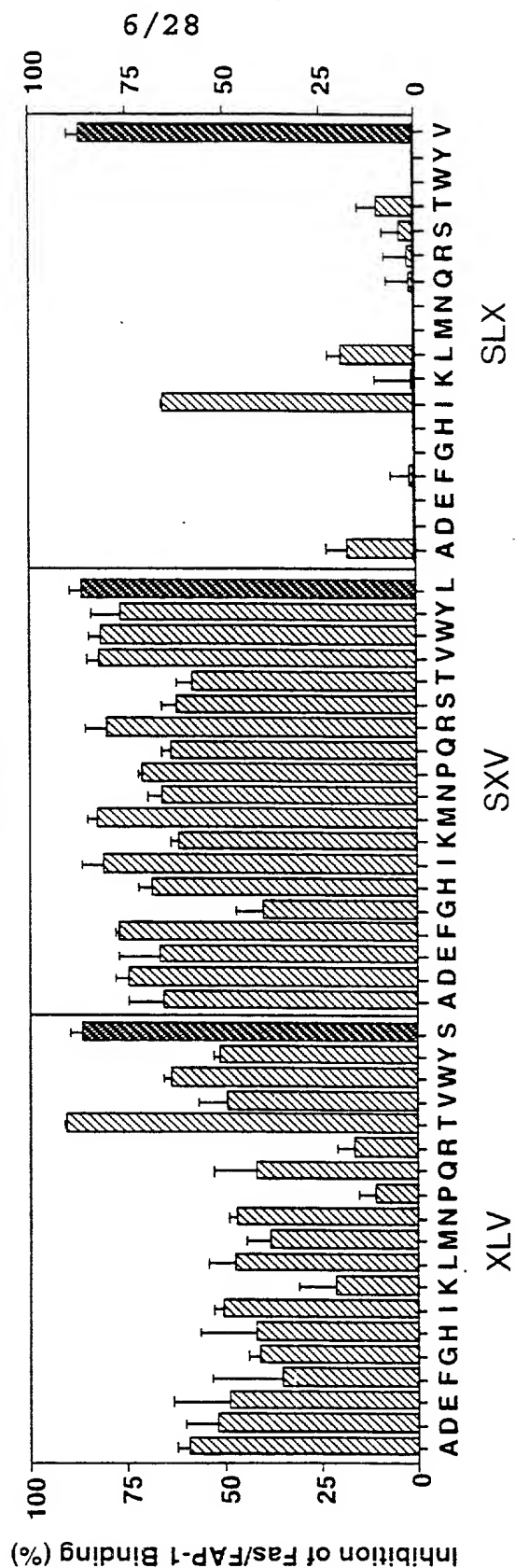


FIG. 4A

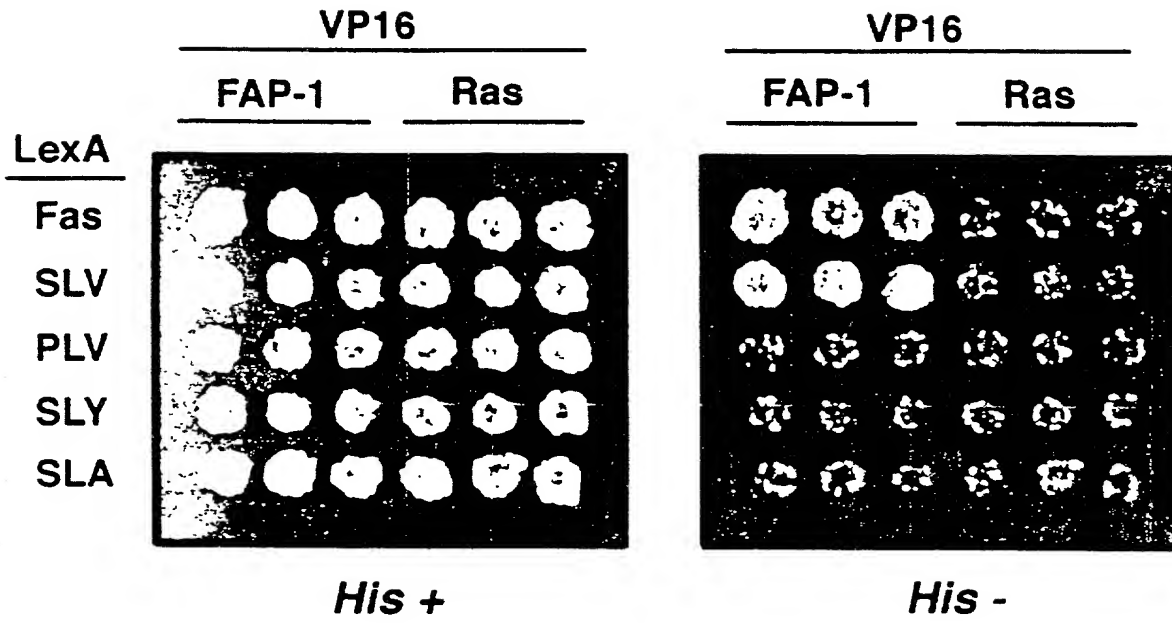


FIG. 4B



FIG. 4C

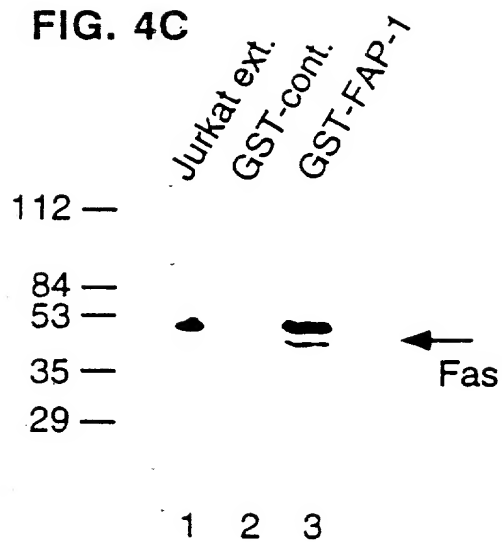


FIG. 4D

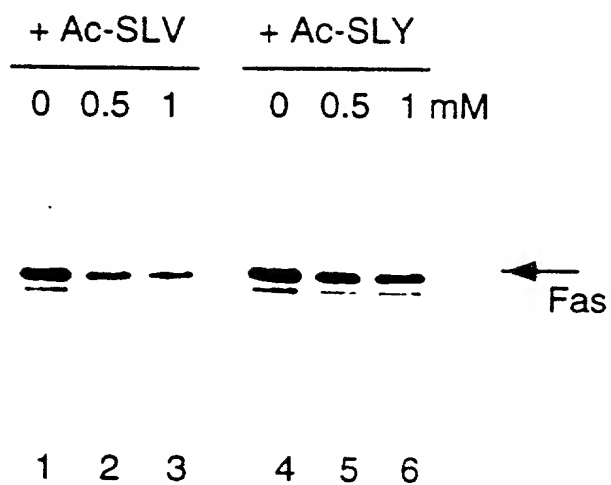


FIG. 5B

Ac-SLY-OH

FIG. 5A

Ac-SLV-OH

Phase contrast



FIG. 5D
Ac-SLY-OH

FIG. 5C
Ac-SLV-OH

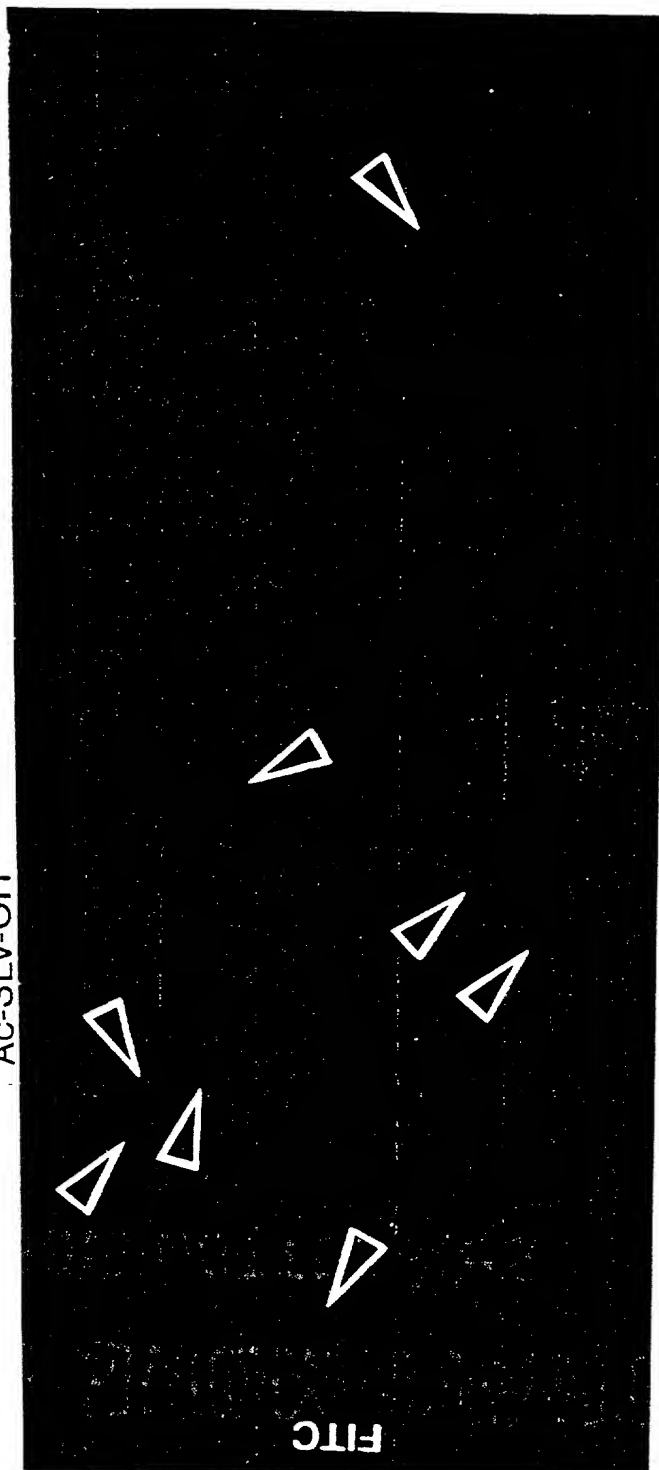


FIG. 5F
Ac-SLY-OH

FIG. 5E
Ac-SLV-OH

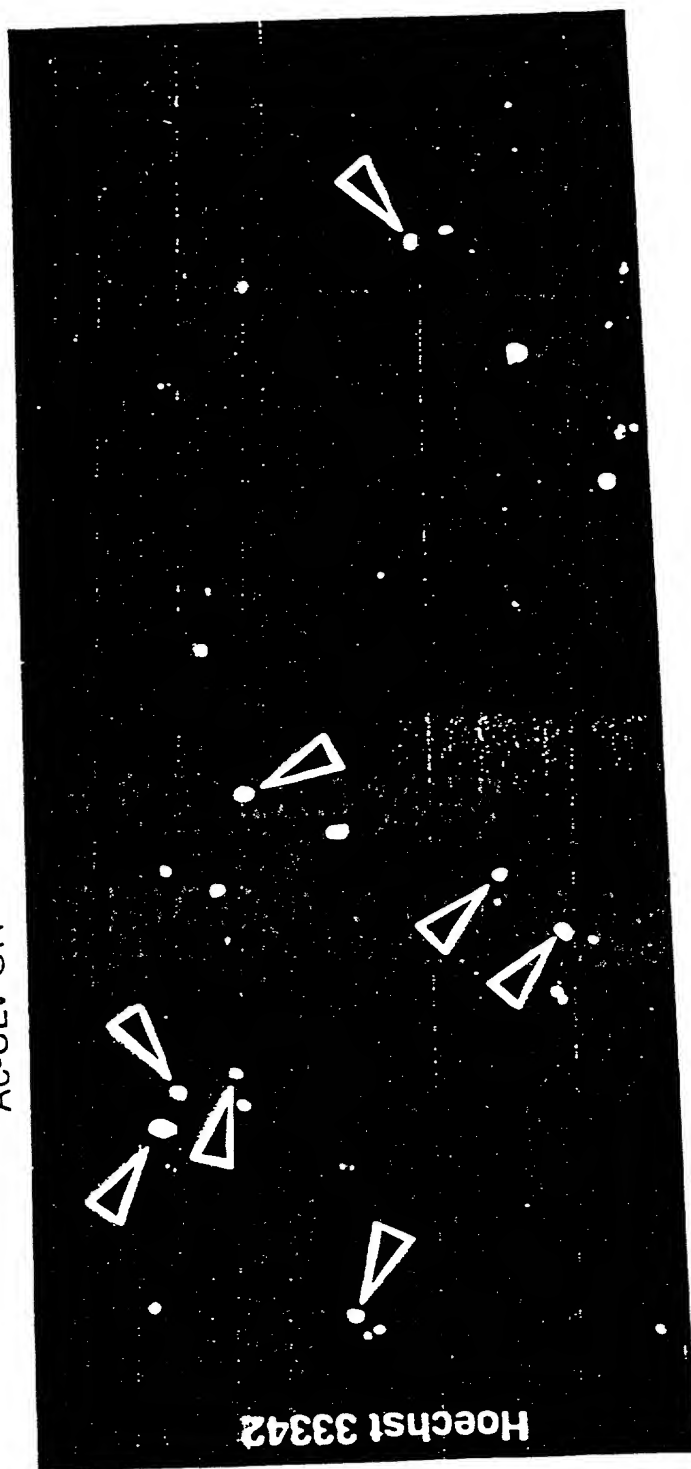


FIG. 6

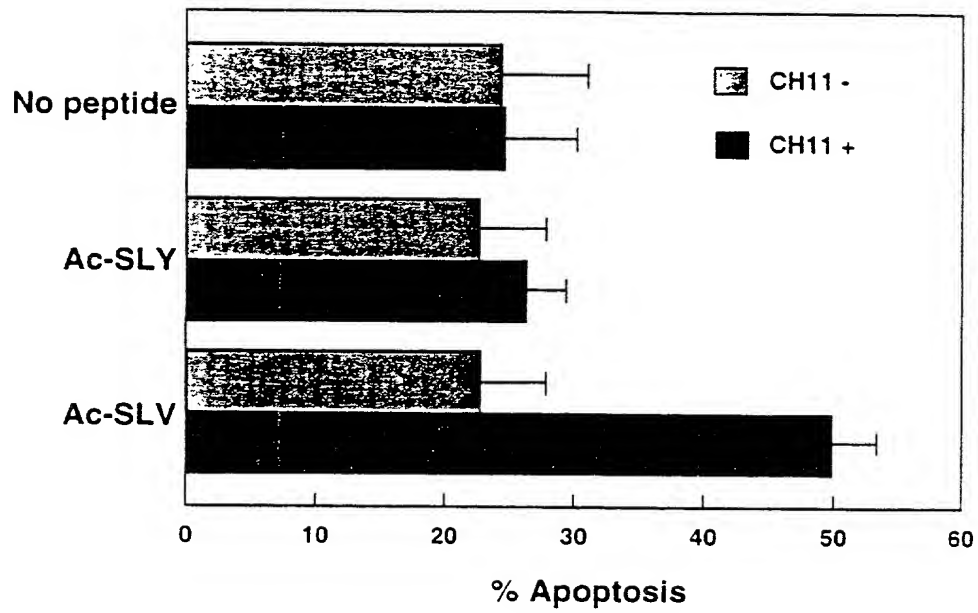


FIG. 7A

NGF Receptor

1 mgagatgram dgprllllll lgvslggake acptglyths gecckacnlg egvaqpcgan
 61 qtvcepclds vtfsdvvsat epckpctecv glqmsapcv eaddavcrca ygyyqdettg
 121 rceacrvicea gsglvfscqd kqntvceecp dgtydeanh vdpclpctvc edterqlrec
 181 trwadaecee ipgrwitrst ppegdstap stqepeappe qdliastvag vttvmgssq
 241 pvvtrgttdn lipvycsila avvglvayi afkrwnsckq nkqgansrpv nqtppegek
 301 lhdsgisvd sqslhdqqph tqtasgqalk gdgglysslp pakreevekl lngsagdtwr
 361 hlageelgyqp ehidsfthea cpvrallasw atqdsatlida llaalrriqr adlveslcse
 421 statspv

FIG. 7B

CD4 Receptor

1 mnrpvpfrhl llvlqlallp aatqgkkvvl gkkgdtvelt ctasqkksiq fhwknsnqik
 61 ilgnqgsflt kgpsklndra dsrrslwdqg nfpliiknlk iedsdtyice vedqkeevql
 121 lvfgltansd thllqgqslt ltlesppgss psvqcrsprg kniqggkts vsqlelqdsq
 181 twtctvlqng kkvefkidiv vlafqkassi vykkegeqve fsfplafte kltgsgelww
 241 qaerassks witfdlnke vsvkrvtqdp klqmgkklpl hltlpqalpq yagsgnltla
 301 leaktgklhq evnlvmrat qlqnlrtcev wgtpspklml slklenkeak vskrekavvw
 361 lnpeagmwqc llsdsgqvll esnikvltw stpvqpmali vlvgvaglli figlgiifcv
 421 rcrhrrrqae rmsqikrlls ekktcqcp hr fqktcspi

FIG. 7C

Species	C-terminal sequences of NGFR (p75)	Binding activity of FAP-1
Human	SESTATSPV-COOH	+
Rat	SESTATSPV-COOH	+
Chicken	SESTATSPV-COOH	+

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FIG. 7D

1 mnsqvmkyg ndsaaelsel hsaalaslkq divelnkrlq qtererdle kklakaqceq
 61 shlmrehedv qerttlryee ritelhsuia elnkkidrlq gttireedey selrselsqs
 121 qhevnedrs mdqdtstsvsi penqetmvt a dmdncsdins elqrvtgle nvvcgrkkss
 181 csisvaevdr hieqlttase hcdlaiktve eieglgrdl ypnlaeersr wekelagire
 241 enesltamc skeelnrk atmnairer drlrrrvrel qtrlqsvqat gpsppgrits
 301 tnrpinpstg elstssssnd ipiakiaerv klsktrsess ssdrpvlgs eissigvsssv
 361 aehiahsld qsnieifqt lyshgsaise skirefevet erlneriehl ksqndlltit
 421 leecksnaer mmlvgkyoe natalrlalq yseqcieaye lllalaeaeq slilggfrra
 481 gvgsspgdqs gdenitqmlk rahdcrktae naakallmkl dgscggafav agcsvgpwos
 541 lssnshtstt sstasscdto ftkedegrk dyiqqlkndr aavklmlel esihidplsy
 601 dvkprgdsqr ldlenavlmq elnamkeema elkaqlylle kekalelkl streaqeay
 661 lvhihllks vaeqkeqmr slsstssgsk dkpgkecada aspalelael rttsenela
 721 aeftnairre kklkarvqel vsalerlts eairhqqgae fvndlkran nlvaayekak
 781 kkhqnlklkl esqmmamver hetqvmklq rialleens rphntetl

FIG. 7E

1 madvfpqnde tasqvanrf arkgalrqkn vhevkdhkfi arffkqptfc shctdfiwgf
 61 gkggfcqvc cfvvhkrche fvtfscpgad kgpdtddprs khkfkhtyg sptfcdhcg
 121 llyglihqgm kcdtcdmnh kqcvlnvpsl cgm dhtekrg riy lkaevad ek lhtvtrda
 181 knlipmdpng lsdpyvklkl ipdpkneskq ktktrstln pqwnesftfk lkpsdkdril
 241 sveiwdwdrt trndfngsls fgvselmkmp asgwykl l nq eegeyynvp1 pegdeegnme
 301 lrqkfekakl gpagnkvisp sedrkqpsnn ldrvkltdfn flmvlkggsf gkvmladrkg
 361 teelyaikal kkdvwlgdd vectmvekrv lalldkppfl tq l hscftv drlyfvmeyv
 421 nggdlmyhiq qvgkfkepqa vfyaaeisiq lffl hkr gii yrdlkl dnm lds eghikia
 481 dfgmckehmm dgtttrtfcg tpdyaiepii ayqpygksvd wwaygvll ye mlagqppfdg
 541 ededelfqsi mehnvsypks lskeavsi ck glmtkbpakr lcgpegerd vrehafrri
 601 dweklenrei qppfkpkvcg kgaenfdkff trgqpvltpg dqlvianidq sdfegfsyvn
 661 pqfvhpllqa **av**

FIG. 7F

1 mdilceente lesttenslmq lnddtrlysn dfnsgaents dafnwtvdse nrtnlscgc
 61 lpsclslh lqekwsall tawviltia gnilvimavs lekklqatn yflnslaiad
 121 mllgflvmpv smltilygyr wplpsklcav wlyldvlfst asinhlcals idryvaigqp
 181 ihnsrfnsrt kafklilavw tsvgismp1 pvfqlqddsk vfkegsclla ddnfvligef
 241 vsff'pltim vityfltkis lqeatlcvs dlgttraklas fsflpqssls seklfgrsih
 301 repggytgrr tmqsisneqk ackvlgivff lfvmwcpff itrinavick escnedviga
 361 invfwigy lssavnp1vy tlfnktyrsa fsrylgcgyk enkkplqlil vnt'palayk
 421 seqlmggqk nskqdakttd ndcsmvalgk qhseeaskdn sdgvnekvay

FIG. 7G

1 malsyrvsei qstipehliq stfivhvisn wsglqtesiz eemkqiveeq gnklhwaall
61 ilmviptig gntlvilavs lekklqyatr yflmelavad llvglfvmpI alltimfeam
121 wplplvlcpa wlfldvlfst asimhlcais vdryiaikkp gslaaftpl afmivtyflt
181 llsiglaipv plkgletdvd npnnitcvlt kerfgdmlf vaml dgsrkd kalpnsgdet
241 ihalqkkayl vknkppqrIt wltvstvfr detpcsspek fitnitvlc dscnqttlqm
301 lmrrtstlgk ksvqtieneg raskvlgivf flflmwcpf atksvktlrk reskiyfrnp
361 lleifwigy vssgvnplvy tlfnkttfrda fgrvityr stiqssii: 1dtllltene gdkteeqvax
421 maenskffkk hginnginpa myqspmlrs
481 y

FIG. 7H

1 maaasydqil kqvealkmen snlrqeledn snhltklete asnmkevlkq lqgsiedeam
 61 assggidlle rikeinldss nfpgvklrsk nslrsygare gsvssrsgec spvpngsfpr
 121 rgfvngsres tgyleeleka rsliladldk eekekdwyya qlmltkrid slpltanfsl
 181 qtdmtrrrgle yearqirvan eeqlgtcqdm ekraqrriar lqgiekdilr irqligsqat
 241 eaerssqnkh etgshdaerg negqgvgein matagngqgs ttrmdnetas vlssssthsa
 301 prrltshlgt kvemvyslis mlgtthdkddm srlilamss qdscismrqs gelpiliqil
 361 hgndkdsvli gnsrgskear arasaalnni ihsqppddkrq rreirvihal eqiraycete
 421 wewqeahhepg ndqdkmpmpa pvehqicpav cvlmklsfde ehrhamnelg glqaiiaellq
 481 vdcemygltn dhysitlrry agmaltntlf gdvankatic smkgcmraiv aqlksesedi
 541 qqviasvlrn lswradvnsk ktlrevgsvk almecalevk kestlksvls alwnlsahc
 601 enkadicavd galafivgtl tyrsqtnla iiesgggilr nvssliatne dhrqilrenn
 661 clgtllqhlk shsltivsna cglwnlsar npkdgealwd mgavsmknl ihskhkmlam
 721 gsaaalrnlm anrpakykda ninspgsslp slhvrkqkal eaeldaqlis etfdnidnls
 781 pkaashrskqr hkqslygdyv fdtnrhddnr sdnfntgnmt vlspylnttv lpsssssrqs
 841 ldsarsekdr slerergigl gnyhpatenp gssskrglqi sttaaqiakv meevsaihts
 901 qedrsgsst elhcvtderm alrrssaht hntynftks ensnrctcmp yakleykrss
 961 ndslnavsss dgygkrqgqk psiesysedd eskfcsygy padlahkihs arhmdndge
 1021 ldtpinyslk ysdeqlnsgr qspsqnerwa rpkhliledel kqseqrqsm qsttypvyte
 1081 stddkhikfq phfgqqecvs pyrsrgangs etnrvgsnbg inqrvsgslc qeddyeddkp
 1141 tnyseryse eqheeeerpt nysikyneek rhvdqpidys lkyatdipss qkgsfsfsks
 1201 ssgqsakteh mssssentst pssnakrgmq lhpssaqsrs gqpkaatck vssinqetiq
 1261 tyovedtpic fsrccslasl ssaedeigcn qttgeadsan tlglaeikek lqtrsaedpv
 1321 sevpavsqhp rtkssrlqgs slssesarhk avefssgaks paksgaqtprk sppehyvqet
 1381 plmfarcstsv ssldsfsrs lassvqsepc sgmvsgilsp sdipdsppgt mppsrektp
 1441 pppqtaqtqr evpknkapt ekresgpkqa avnaavqrq vlpdadtlih fatestpdgf
 1501 scssslsals ldepfiqkdv elrimppvqe ndngmetase qpkesnenge keaektidse
 1561 kdilddsddd dieileecii samptkssrk akkpaqtasak lpppvarkps qlpvkllps
 1621 qnrlqpqkhv sftpgdamp vycvegtpin fstatsladi tiesppnela agegvrqgaq
 1681 sgfekrdrti ptegrstdea qggktsavti pelddnkaee gdilaecins ampxgkshkp
 1741 frvkkindqv qqasasssap nknqldgkkk kptspvkip qnteyrtrvr knadskmln
 1801 aervfsdnkd skkqnlkmns kdfndklpnn edrvrgsfaf dsphhytpie gtpyfsrmd
 1861 slsldfddd dvdlisrekae lrkakenkes eakvtshtel tsnqqsankt qalakkpinr
 1921 gqpkpilqkq stfpqsskdi pdrgaatdek lqnfaienp vcfshnssls slsldidgenn
 1981 nkenepiket eppdsqgeps kpqasgyapk sfhvedtpvc fsmssslssi sidseddllq
 2041 ecissampkk kqpsrlkgdn ekhsprmgg ilgeditldi kdiqrpdseh glspdsenfd
 2101 wkaigegans ivssihqaaa aacisrgass dsdsilslks gislgspfh tpdqeeqpt
 2161 ankqprilkp gekstletkk ieseskgikg gkkvykslit gkvrnsneis ggmkkplqan
 2221 mpsisrgtrm ihipgvrmss sstspvskkg pplktpasks psegqtatts prgakpsvks
 2281 elspvarqts qiggsskaps rsgsrdstps rpaqqplsrp lqspgrnsis pgrngisppn
 2341 klsqlprtss pstastkssg sgkmsytspg rqnssqnltk qtglsknass iprsesaskg
 2401 lnmnngnga nkkvelsrms stkssgsed rserpvlvrq stfikeapsp tlrrkleesa
 2461 sfeslapssr pasptrsqaq tpvlspslpd nslsthsavq aggrklppn laptieyndg
 2521 rpakrhdiar shsespsrlp inrsgtwkre hskhssslpr vatwrrtgss ssilsasses
 2581 sekaksedek hvmsisgtkq skenqvsakg twrkikenef spntnstsqtv ssgatngaes
 2641 ktliygmapa vsktedvvr ledcpinnpr sgrsptgntp pvidsvseka npnikdskdn
 2701 qakqnvngs vpartvglen rlnsfqvda pdqkgteikp gqnnpvpvse tnessivert
 2761 pssssssskh sspsgtvaar vtpfnynpss rkssadstsa rpsqiptpvn nntkkrdskt
 2821 dstessgtqs pkrhsgsylv ~~ssx~~

FIG. 8

p75NGFR
(Low-affinity nerve growth factor receptor)

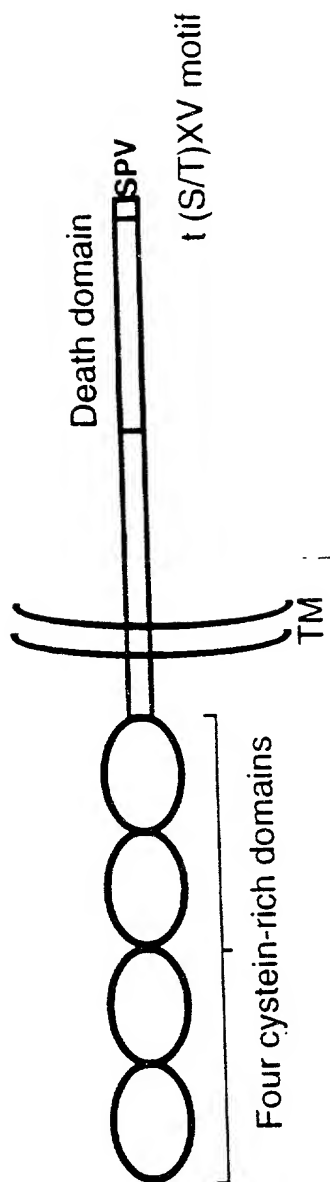


FIG. 9

	C-terminal amino acid sequence
Fas	NEIQSLV
p75NGFR	STATSPV

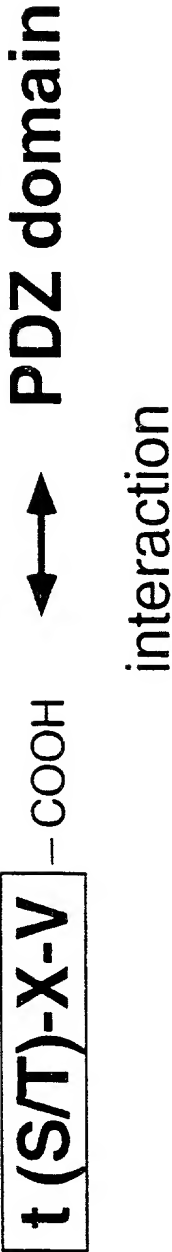


FIG. 10

In vitro interaction of ³⁵S-labeled FAP-1 with various receptors

— FAP-1 binds to the cytoplasmic region of p75NGFR. —

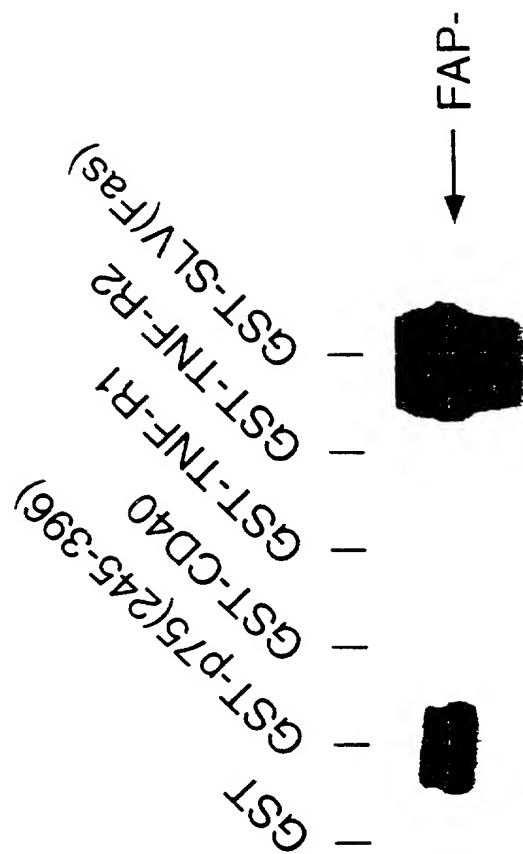


FIG. 11A
FAP-1 binds to C-terminal three amino acids SPV of p75NGFR.

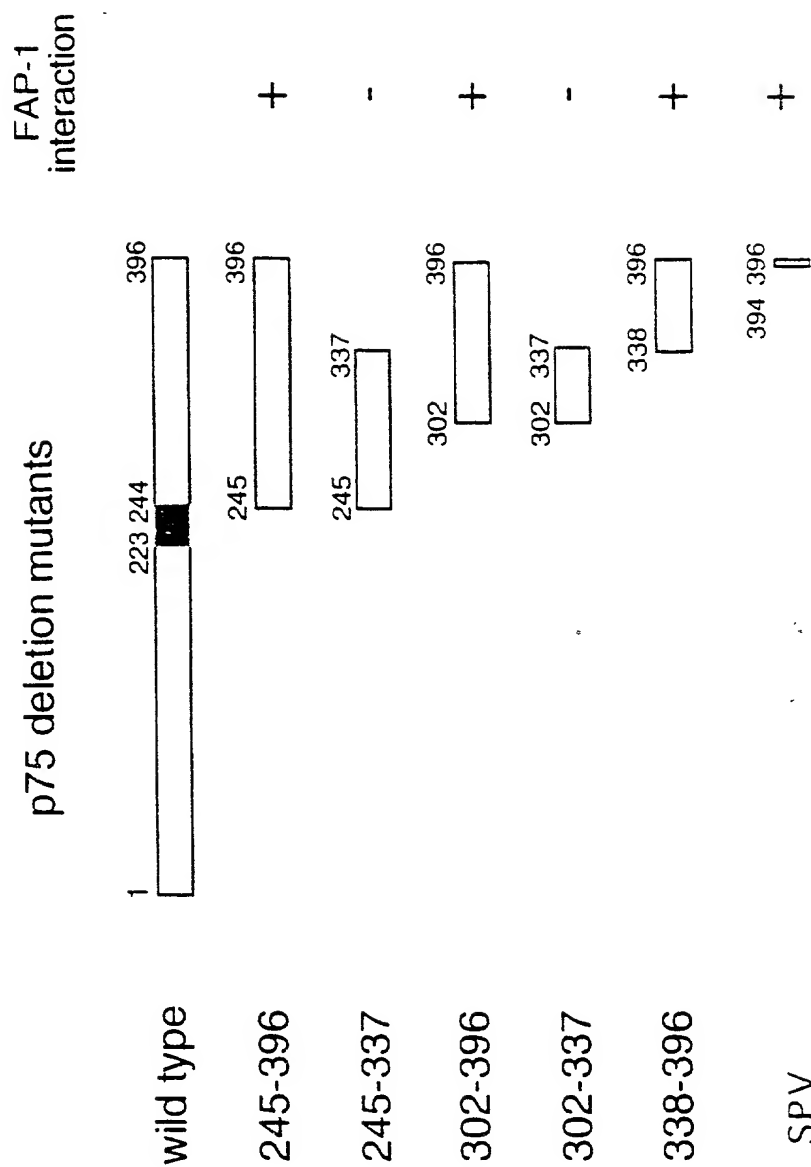


FIG. 11B

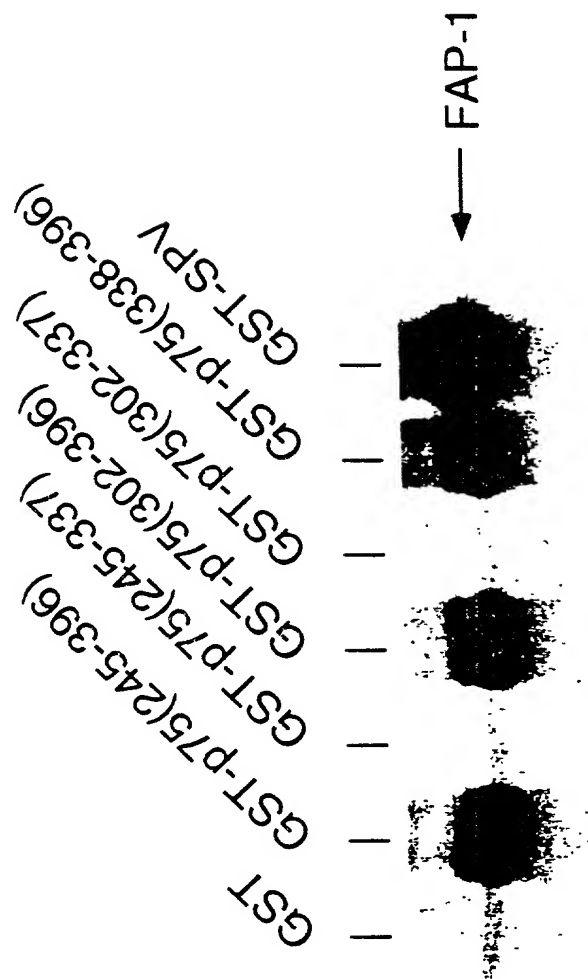


FIG. 12

FAP-1 binds to p75NGFR C-terminal cytoplasmic region in yeast.

	VP16-FAP-1	VP16-cRaf
LexA-p75NGFR(338-396)	+	-
LexA-p75NGFR(365-396)	+	-
LexA-Fas	++	-
LexA-Ras ^{V12}	-	+
LexA-Lamin	-	-

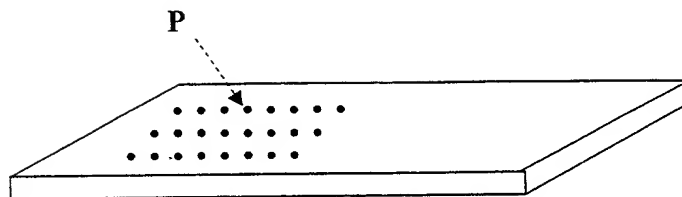
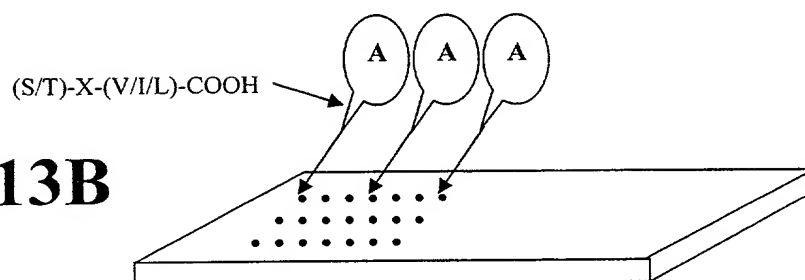
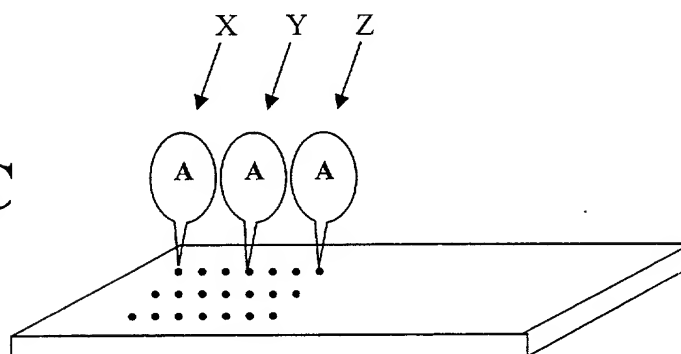
FIG. 13A**FIG. 13B****FIG. 13C**

FIG. 14A

Plain-glass slide

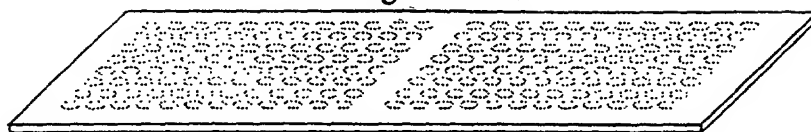


FIG. 14B

3D gel pad chip

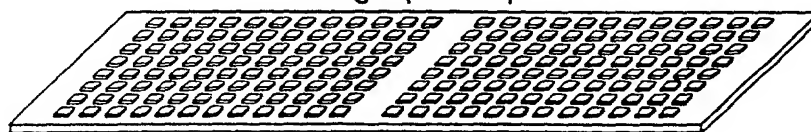
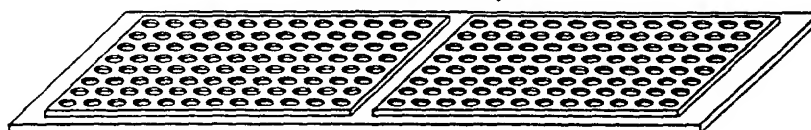


FIG. 14C

Microwell chip



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